

What is claimed is:

[Claim 1] A method for transfilling gas canisters on-site comprising:
transporting a transfilling station to a desired transfilling site;
attaching gas canisters to said transfilling station;
inspecting and evacuating said gas canisters;
vaporizing and compressing a gas and directing it into said gas canisters;
disconnecting said gas canisters; and
transporting said transfilling station from said transfilling site.

[Claim 2] The method of transfilling gas canisters on-site of claim 1 wherein said gas is medical oxygen.

[Claim 3] An mobile gas canister transfilling station comprising:
a mobile chassis;
a substantially enclosed space mounted on said mobile chassis;
at least one door grating access to said enclosed space from outside of said enclosed space;
at least one ramp for facilitating the transport of gas canisters in and out of said enclosed space;
at least one manifold shaped to receive transfilling canisters attached to said transfilling station;
at least one heat exchanger operatively connected to said manifolds;
at least one compressor operatively connected to said heat exchanger.

[Claim 4] The mobile gas canister transfilling station of claim 3 further comprising a hitching mechanism for attaching to a towing vehicle.

[Claim 5] The mobile gas canister transfilling station of claim 3 wherein said floor is reinforced to support increased weight.

[Claim 6] The mobile gas canister transfilling station of claim 3 further comprising at least 48 manifolds that conform to tank “E” specifications and at least 4 manifolds that conform to tank “H” specifications.

